

551,151

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 November 2004 (04.11.2004)

PCT

(10) International Publication Number
WO 2004/093871 A1

(51) International Patent Classification⁷: **A61K 31/405**

(21) International Application Number:
PCT/US2004/005155

(22) International Filing Date: 20 February 2004 (20.02.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/458,162 27 March 2003 (27.03.2003) US
60/527,449 5 December 2003 (05.12.2003) US

(71) Applicant (for all designated States except US): **LANKE-
NAU INSTITUTE FOR MEDICAL RESEARCH**
[US/US]; 100 Lancaster Avenue, Wynnewood, PA 19096
(US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PRENDER-
GAST, George, C.** [US/US]; 414 Bryn Mawr Avenue,
Bala-Cynwyd, PA 19004 (US). **MULLER, Alexander, J.**
[US/US]; 738 Pine Ridge Road, Media, PA 19063 (US).
DUHADAWAY, James, B. [US/US]; 800 Bellefonte Av-
enue, Wilmington, DE 19809 (US). **MALACHOWSKI,**
William [US/US]; 4004 Bittersweet Circle, Collegeville,
PA 19426 (US).

(74) Agents: **RIGAUT, Kathleen, D.** et al.; Dann, Dorfman,
Herrell and Skillman, 1601 Market Street, Suite 2400,
Philadelphia, PA 19103 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: NOVEL METHODS FOR THE TREATMENT OF CANCER

(57) Abstract: Compositions and methods for the treatment of malignancy and chronic viral infection are disclosed.

WO 2004/093871 A1